

FIG. 1

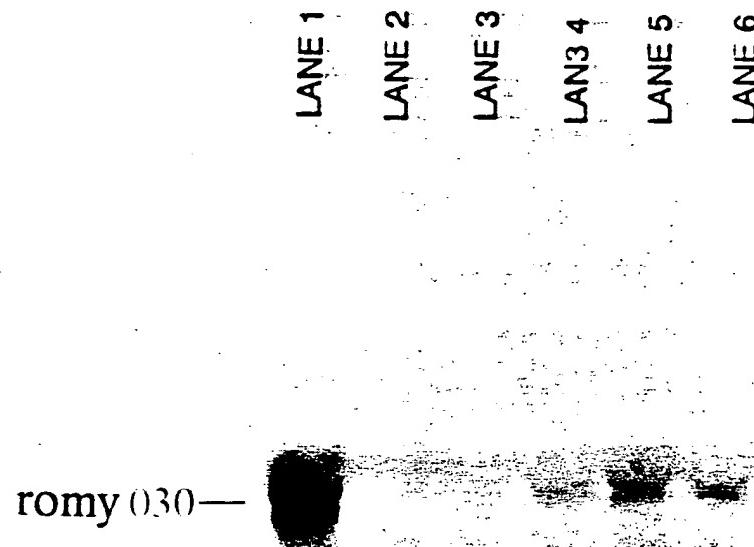


FIG. 4

ના લાય એ હોય એ હોય " હોય એ હોય " હોય એ હોય

romy030

GGTGCTGGAGTACCTCATGGGGGTGCCCTACCGGCTGCAACTACACTCGAAAAAGCTTCCCCGACTCT
CTACAACAACTTGTGTTGCCCTAAGAGGGTAGAGCTCAGCAGACACACAGTGTCTGTGCCCTCCC
AGAGTAACATGTGTTCCCTGATGTGCTTCCCCAAAAGGCCACCTGTGCAGAATG
(SEQ ID NO: 1)

FIG. 2

ATG	TAC	ATC	CGA	GTC	TCC	TAC	GAC	ACC	AAG	CCA	GAT	TCC	CTG	CTC	CAC	CTG	CTG	GTG	AAG	
M	Y	I	R	V	S	Y	D	T	K	P	D	S	L	H	L	M	V	K	20	
GAC	TGG	CAG	CTG	GAG	CTC	CCG	AAG	CTC	TTC	TTC	ATA	TCT	GTG	CAC	GGG	GGC	CTC	CAA	AGC	
D	W	Q	L	E	L	P	K	L	I	S	V	H	G	G	L	Q	S	F	40	
GAG	ATG	CAG	TCC	AAA	CTG	AAG	CAG	GTC	GTC	TTT	GGG	AAA	GGG	ATC	MAG	GCT	GCC	ATG	ACC	
E	M	Q	S	K	L	K	Q	V	F	G	K	G	L	I	K	A	A	M	T	60
ACG	GGG	GGG	TGG	ATC	TTC	ACC	GGG	GGT	GTC	AGC	ACT	GGT	GTC	GTC	MGC	CAT	GTG	GGG	GAT	
T	G	A	W	I	F	T	G	G	V	S	T	G	V	V	S	H	V	G	D	80
GCC	TTC	AAA	GAC	CAC	TCC	AAG	TCC	AGA	GGG	GGG	CTC	TGT	GCT	ATA	CGA	ATT	GCT	CCC	620	
A	L	K	D	H	S	S	K	S	R	G	R	L	C	A	I	G	I	A:	P	100
TGG	GGG	ATG	GTG	GAG	AAC	AAG	GAA	GAC	CTG	ATT	GGA	AAA	GAT	GTA	ACA	AGA	GTC	TAT	CAG	
W	G	M	V	E	N	K	E	D	L	I	G	K	D	V	T	R	V	Y	Q	120
ACC	ATG	TCC	AAC	CCT	CTG	AGC	AAG	CTC	TCT	GTG	CTG	AAAT	TCC	CAC	ACT	CAC	TTC	ATC	740	
T	M	S	N	P	L	S	K	L	S	V	L	N	N	S	H	T	H	F	I	140
TTC	GCT	GAC	AAC	CCT	CTG	GGC	ACC	CTG	GGC	MAG	TAT	GGT	GCT	GAG	GTG	AAG	CTR	CGA	AGA	
L	A	D	N	G	T	L	G	K	Y	G	A	E	V	K	L	R	R	Q	L	800
GAA	AAA	CAC	ATC	TCC	CTG	CAG	AAG	ATC	AAC	AGC	AGG	CTG	GGC	CAG	GGT	GTA	CCT	GTC	GTG	
E	K	H	I	S	L	Q	K	I	N	T	R	L	G	Q	G	V	P	V	V	860
GGC	CTA	GTG	GTG	SIA	GAA	GGT	GGT	CCT	AAC	GTC	GTC	TCT	ATC	GTC	CTG	GAG	TAT	CTC	AAA	920
G	I	V	V	E	G	G	G	P	N	V	V	S	I	V	L	E	Y	L	K	200

FIG. 3A

GAC CCT CCT GTC CCT GTC GAG GAA AGT GGA CGT GCC TCT GAC ATT TCG TCC	980
D P P V P V V C D G S G R A S D I L S	220
TTC GCA CAC AAA TAC TGC GAC GAA CGA CGA GTC ATA AAC GAG TCC CTG CGG GAC CAG CTR	1040
F A H K Y C D E G G V I N E S L R D Q L	240
CTA GTT ACC ATT CAG AAA ACA TTT ATT TAC AGC AAG TCC CAG TCG TAT CAG CTC TTT GCA	1100
L V T I Q K T F N Y S K S Q S Y Q L F A	260
ATT ATC ATG GAG TGC ATG AAG AAG AAA GAA CTC GTC ACT GTG TTT CGG ATG GGT TCC GAG	1160
I I M E C M K K K E L V T V F R M G S E	280
GGT CAG CAA GAT GTC GAG ATG GCA ATT TTA ACT GCC TTG CTC AAA GGA ACC AAC GCA TCA	1220
G Q Q D V E M A I L T A L L K G T N A S	300
GCT CCA GAT CAG CTG AGC TTG GCC CTG GCT GCT TGG AAC CGG CGG GCA ATA GCG CGA AGC CAG	1280
A P D Q L S L A L A W N R V D I A R S Q	320
ATC TTC GTC TTT GGC CCA CAC TGG CCG CCA CTG CGA AGC CTG CCC CCT CCT GTG GAC ACC	1340
I F V F G P H W P P L G S L A P P V D T	340
AAA GCC GCA GAG AAG GAA CCC ACC ACC AAG GGG AGA GGA AAA GGA	1400
K A A E K E K P P T A T K G R G K G	360
AAA GGC AAG AAG AAA GGC AAA GTG GAA GAG GAA GAG ACG GAC CCC CGG AAG	1460
K G K K K G K V K E E V E E T D P R K	380

FIG. 3B

FIG. 3C

ACTCATTATAGGGNTCGAGGGCCGGCCGGGAGGTTTGAGCTGTGCCCTCTCATTCCACTGCTGTGGCAGGGTCAGA
 ATCTTGGATAGAGAAACCTTTGCAAACGGGAATGTATCTTGTAAATTCTTAGCACCAAGACTCTAACAGGTGTT
 CTGGGCCAGTTCACCAACCAGCATATCCCCCTCTGCCAAGTGCACACCCAGAAAAATGAAGAGGAAGCAAACAG
 GTGGAGACTCAGCCTGAGAAATTGGTCTGTTGCAAGCACCCAGAGCTACCCAACAGATTCTATGGAGTTCTTGAATT
 CCAGGGTGGGATATTCCAATAAGCC

M	Y	I	R	V	S	Y	D	T	K	P	D	S	L	L	H	L	M	V	K	20
ATG	TAT	ATC	CGT	GTA	TCC	TAT	GAC	ACC	AAG	CCA	GAC	TCA	CTG	CTC	CAT	CTC	ATG	GTG	AAA	60
D	W	Q	L	E	L	P	K	I	L	I	S	V	H	G	G	I	Q	N	F	40
GAT	TGG	CAG	CTG	GAA	CTC	CCC	AAG	CTC	ITG	ATA	TCT	GTG	CAT	GGA	GGC	CTC	CAG	AAC	'ITG'	120
E	M	Q	P	K	L	K	Q	V	F	G	K	G	L	I	K	A	M	T	60	
GAG	ATG	CAG	CCC	AAG	CTG	AAA	CAA	GTC	TTT	GGG	AAA	GGC	CTG	ATC	AAG	GCT	ATG	ACC		180
T	G	A	W	I	F	T	G	G	V	S	T	G	V	I	S	H	V	G	D	80
ACC	GGG	GCC	TGG	ATC	TTC	ACC	GGG	GGT	GTC	AGC	ACA	GGT	GTT	ATC	AGC	CAC	GTA	GGG	GAT	240
A	L	K	D	H	S	S	K	S	R	G	R	V	C	A	I	G	I	A	P	100
GCC	TTG	AAA	GAC	CAC	TCC	TCC	AAG	TCC	AGA	GGC	CGG	GTR	TGT	GCT	ATA	GGA	ATT	GCT	CCA	300
W	G	I	V	E	N	K	E	D	L	V	G	K	D	V	T	R	V	Y	Q	120
TGG	GGC	ATC	GTG	GAG	AAT	AAG	GAA	GAC	CTG	GTT	GGA	AAG	GAT	GTA	ACA	AGA	GTG	TAC	CAG	360
T	M	S	N	P	I	S	K	L	S	V	L	N	N	S	H	T	H	F	I	140
ACC	ATG	TCC	AAC	CCT	AGT	AAG	CTC	TCT	GTC	CTC	AAC	AAC	TCC	CAC	ACC	CAC	TTC	ATC		420
L	A	D	N	G	T	L	G	K	Y	G	A	E	V	K	L	R	R	L	L	160
CTG	GCT	GAC	AAT	GGC	ACC	CTG	GGC	AAG	TAT	GGC	GCC	GAG	GTG	AAG	CTG	CGA	AGG	CTG	CTG	480
E	K	H	I	S	L	Q	K	I	N	T	R	L	G	Q	G	V	P	L	V	180
GAA	AAG	CAC	ATC	TCC	CTC	CAG	AAG	ATC	AAC	ACA	AGA	CTG	GGG	CAG	GGC	GTG	CCC	CTC	GTG	540
G	L	V	V	E	G	G	P	N	V	V	S	I	V	L	E	Y	L	Q	E	200
GGT	CTC	GTG	GAG	GGG	GGC	CCT	AAC	CTG	GTG	TCC	ATC	GTC	TTG	GAA	TAC	CTG	CAA	GAA		600

FIG. 5A

E	P	P	I	P	V	V	I	C	D	G	S	G	R	A	S	D	I	L	S	
GAG	CCT	CCC	ATC	CCT	GTG	GTG	ATT	TGT	GAT	GGC	AGC	GGC	CGT	GCC	TCG	GAC	ATC	CTG	TCC	220
F	A	H	K	Y	C	E	E	G	G	I	I	N	E	S	L	R	E	Q	L	660
TTT	GGG	CAC	AAG	TAC	TGT	GAA	GAA	GGC	GGC	ATA	ATA	ATA	AAT	GAG	TCC	CTC	ACG	GAG	CTT	240
L	V	T	I	Q	K	T	F	N	Y	N	K	A	Q	S	H	Q	I,	F	A	720
CTA	GTT	ACC	ATT	CAG	AAA	ACA	TTT	AAT	TAT	AAT	AAG	GCA	CAA	TCA	CAT	CAG	CTG	TTC	GCA	260
I	I	M	E	C	M	K	K	K	E	L	V	T	V	F	R	M	G	S	E	780
ATT	ATA	ATG	GAG	TGC	ATG	AAG	AAG	AAA	GAA	CTC	GTC	ACT	GTC	TTC	AGA	ATG	GGT	TCT	GAG	280
G	Q	Q	D	I	E	M	A	I	L	T	A	L	L	K	G	T	N	V	S	840
GGC	CAG	CAG	GAC	ATC	GAG	ATG	GCA	ATT	TTA	ACT	GCC	CTG	CTG	AAA	GGA	ACA	AAC	GTA	TCT	300
A	P	D	Q	L	S	L	A	L	A	W	N	R	V	D	I	A	R	S	Q	900
GCT	CCA	GAT	CAG	CTG	AGC	TTG	GCA	CTG	GCT	TGG	AAC	CGC	GTG	GAC	ATA	GCA	CGA	AGC	CAG	320
I	F	V	F	G	P	H	W	T	P	L	G	S	L	A	P	P	T	D	S	960
ATC	TTT	GTC	TTT	GGG	CCC	CAC	TGG	ACG	CCC	CTG	GGA	AGC	CTG	GCA	CCC	CCG	ACG	ACG	ACG	1020
K	A	T	E	K	E	K	K	P	P	M	A	T	T	K	G	G	R	G	K	340
AAA	GCC	ACG	GAG	AAG	AAG	CCA	CCC	ATG	GCC	ACC	ACC	AAG	GGG	GGG	AGA	GGG	AAA	AAA	1080	
G	K	G	K	K	G	K	V	K	E	E	V	E	E	E	E	T	D	P	R	360
GGG	AAA	GGC	AAG	AAG	AAA	GGG	AAA	GTG	AAA	GAG	GAA	GTG	GAG	GAA	GAA	ACT	GAC	CCC	CGG	1140
K	I	E	L	N	W	V	N	A	L	E	Q	A	M	L	D	A	I,	V	400	

FIG. 5B

卷之三

AAG	ATA	GAG	CTG	CTG	AAC	TGG	TGG	ATG	GCT	TG	GAT	GCT	GCG	ATG	CAA	GCG	ATG	CTA	GAT	GCT	GCT	TTA	GTC	1200
L	D	R	V	D	F	V	K	L	I	E	N	G	V	N	M	Q	H	F	420					
L	T	I	P	R	L	E	E	L	Y	N	T	R	L	G	P	P	H	T	L	440				
CTG	ACC	ATT	CCG	AGG	CTG	GAG	GAG	CTT	TAT	AAC	ACA	AGA	CTG	GGT	CCA	AAC	CAC	'TTT	1260					
H	L	L	V	R	D	V	K	S	N	L	P	P	D	Y	H	I	S	L	460					
CAT	CTG	CTG	GTG	AGG	GAT	GTG	AAA	AAG	AGC	AAC	CTT	CCG	CCT	GAT	TAC	CAC	ATC	AGC	CTC	1380				
I	D	I	G	L	V	L	E	Y	L	H	G	G	A	Y	R	C	U	Y	'T	480				
ATA	GAC	ATC	GGG	CTC	GTG	CTG	GAG	TAC	CTC	ATG	GGG	GGG	GCC	TAC	CGC	TGC	AAC	TAC	ACT	1440				
R	K	N	F	R	T	L	Y	N	H	L	F	G	P	K	R	P	K	A	L	500				
CGG	AAA	AAC	TTT	CGG	ACC	CTT	TAC	AAC	TTG	TTT	GGG	CCA	AAG	AGG	CCT	AAA	GCT	CTT	1500					
K	L	L	G	M	E	D	D	E	P	P	A	K	G	K	K	K	K	K	:	520				
AAA	CTT	CTG	GGA	ATG	GAA	GAT	GAT	GAG	CCT	CCA	GCT	AAA	GGG	AAG	AAA	AAA	AAA	AAA	AAG	1560				
K	K	E	E	E	I	D	I	D	V	D	D	P	A	V	S	R	F	Q	Y	540				
AAA	AAG	GAG	GAA	GAG	ATC	GAC	ATT	GAT	GTG	GAC	GAC	CCT	GCC	GTG	AGT	CGG	'TTC	CAG	TAT	1620				
P	F	H	E	L	M	V	W	A	V	L	M	K	R	Q	K	H	A	V	F	560				
CCC	TTC	CAC	GAG	CTG	ATG	GTG	TGG	GCA	GTG	CTG	ATG	AAA	CGC	CAG	AAA	ATG	GCA	GTG	TTC	1680				
L	W	Q	R	G	E	E	S	M	A	K	A	L	V	A	C	K	L	Y	K	580				
CTC	TGG	CAG	CGA	GGG	GAA	GAG	AGC	ATG	GCC	AAG	GCC	CTG	GTG	GCC	TGC	AAG	CTC	TAC	AAG	1740				
A	M	A	H	E	S	S	E	S	D	L	V	D	D	I	S	Q	D	L	D	600				
GCC	ATG	GCC	CAC	GAG	TCC	TCC	GAG	AGT	GAT	CTG	GTG	GAT	GAC	ATC	TCC	CAG	GAC	TTC	GAT	1800				
N	N	S	K	D	F	G	Q	L	A	L	E	L	D	D	Q	S	Y	K	H	620				
AAC	AAT	TCC	AAA	GAC	TTC	GGC	CAG	CTT	GCT	TTG	GAG	TTA	GAC	CAG	TCC	TAT	AAG	CAT	1860					

FIG. 5C

D	E	Q	I	A	M	K	L	L	T	Y	E	L	K	N	W	S	N	S	T
GAC	GAG	CAG	ATC	GCT	ATG	AAA	CTG	CTG	ACC	TAC	GAG	CTG	AAA	AAC	TGG	AGC	AAC	TCG	ACC
C	L	K	L	A	V	A	A	K	H	R	D	F	I	A	H	T	C	S	Q
TGC	CTC	AAA	CTG	GCC	GTG	GCA	GCC	AAA	CAC	CGG	GAC	TTC	ATT	GCT	CAC	ACC	TGC	AGC	CAG
M	L	L	T	D	M	W	M	G	R	L	R	M	R	K	N	P	G	L	K
ATG	CTG	CTG	ACC	GAT	ATG	TGG	ATG	GGA	AGA	CTG	CGG	ATG	CGG	AAG	AAC	CCC	GGC	CTG	AAG
V	I	M	G	I	L	L	P	P	T	I	L	F	L	E	F	R	T	Y	D
GTT	ATC	ATG	GGG	ATT	CTT	CTA	CCC	CCC	ACC	ATC	TTG	TTT	TTG	GAA	TTT	CGC	ACA	TAT	GAT
D	F	S	Y	Q	T	S	K	E	N	E	D	G	K	E	K	E	E	E	N
GAT	TTC	TCG	TAT	CAA	ACA	TCC	AAG	GAA	AAC	GAG	GAT	GGC	AAA	GAA	AAA	GAG	GAA	AAT	2160
T	D	A	N	A	D	A	G	S	R	K	G	D	E	E	N	E	H	K	K
ACG	GAT	GCA	AAT	GCA	GAT	GCT	GGC	TCA	AGA	AAG	GGG	GAT	GAG	GAG	AAC	GAG	CAT	AAA	AAA
Q	R	I	I	P	I	G	T	K	I	C	K	F	Y	N	A	P	I	V	K
CAA	AGA	ATT	ATC	CCC	ATC	GGG	ACA	AAA	ATC	TGT	AAA	TTC	TAT	AAA	GCG	CCC	ATT	GTC	AAG
F	W	F	Y	T	I	S	Y	L	G	Y	L	L	F	N	Y	V	I	L	760
TTC	TGG	TTT	TAC	ACA	ATA	TCA	TAC	TTG	GGC	TAC	CTG	CTG	CTG	TTT	AAC	TAC	GTC	ATC	CTG
V	R	M	D	G	W	P	S	L	Q	E	W	I	V	I	S	Y	I	V	800
GTG	CGG	ATG	GAT	GGC	TGG	CCG	TCC	CTC	CAG	GAG	TGG	ATC	GTC	ATC	TCC	TAC	ATC	GTG	AGC
L	A	L	E	K	I	R	E	I	L	M	S	E	P	G	K	L	S	Q	K
CTG	GGG	TTA	GAG	AAG	ATA	CGA	GAG	ATC	CTC	ATG	TCA	GAA	CCA	GGC	AAA	CTC	AGC	CAG	AAA

FIG. 5D

I	K	V	W	L	Q	E	Y	W	N	I	T	D	L	V	A	I	S	T	F	840
ATC	AAA	GTT	TGG	CTT	CAG	GAG	TAC	TGG	AAC	ATC	ACA	GAT	CTC	GTG	GCC	ATT	TCC	ACA	TTC	2520
M	I	G	A	M	A	T	R	S	V	M	M	I	G	K	M	M	I	D	M	860
ATG	ATT	GGA	GCA	ATG	GCC	ACG	AGA	TCT	GTG	ATG	ATG	ATT	GGA	AAG	ATG	ATG	ATC	GAC	ATG	2580
L	Y	F	V	V	I	M	L	V	V	L	M	S	F	G	V	A	R	Q	A	880
CTG	TAC	TTT	GTC	GTC	ATC	ATG	CTG	GTC	GTC	CTG	ATG	AGT	TTC	GGG	GTA	GCC	CGT	CAA	GCC	2640
I	L	H	P	E	E	K	P	S	W	K	L	A	R	N	I	F	Y	M	P	900
ATT	CTG	CAT	CCA	GAG	GAG	AAG	CCC	TCT	TGG	AAA	CTG	GCC	CGA	AAC	ATC	TTC	TAC	ATG	CCC	2700
Y	W	M	I	Y	G	E	V	F	A	D	Q	I	D	L	Y	A	M	E	I	920
TAC	TGG	ATG	ATC	TAT	GGA	GAG	GTG	TTT	GCA	GAC	CAG	ATA	GAC	CTC	TAC	GCC	ATG	GAA	ATT	2760
N	P	P	C	G	E	N	L	Y	D	E	E	G	K	R	L	P	P	C	I	940
AAT	CCT	TGT	GGT	GAG	AAC	CTA	TAT	GAT	GAG	GAG	GGC	AAG	CGG	CTT	CCR	CCC	TGT	ATC	CTG	2820
P	G	A	W	L	T	P	A	L	M	A	C	Y	L	L	V	A	N	I	L	960
CCC	GGC	GCC	TGG	CTC	ACT	CCA	GCA	CTC	ATG	GCG	TGC	TAT	CTA	CTG	GTC	GCC	AAC	ATC	CTG	2880
L	V	N	L	L	I	A	V	F	N	N	T	F	F	E	V	K	S	I	S	980
CTG	GTG	AAC	CTG	CTG	ATT	GCT	GTG	TTC	AAC	AAT	ACC	TTC	TTT	GAA	GTA	AAA	TCA	ATA	TCC	2940
N	Q	V	W	K	F	Q	R	Y	Q	L	I	M	T	F	H	D	R	P	V	1000
AAC	CAG	GTG	TGG	AAG	TTC	CAG	CGA	TAT	CAG	CTG	ATT	ATG	ACA	TTT	CAT	GAC	AGG	CCA	GTC	3000
L	P	P	M	I	I	L	S	H	I	Y	I	I	I	M	R	L	S	G	1020	
CTG	CCC	CCA	CCG	ATG	ATC	ATT	TTA	AGC	CAC	ATC	TAC	ATC	ATT	ATG	CGT	CTC	AGC	GGC	3060	
R	C	R	K	K	R	E	G	D	Q	E	E	R	D	R	G	L	K	L	F	1040
CGC	TGC	AGG	AAA	AGG	AGA	GAA	GGG	GAC	CAA	GAG	GAA	CGG	GAT	CGT	GGG	TTG	AAG	CTC	TTC	3120

FIG. 5E

L	S	D	E	E	L	K	R	L	H	E	F	E	Q	C	V	Q	E	H
CCT	AGC	GAC	GAG	GAG	CTA	AAG	CTG	CAT	GAG	TTC	GAG	CAG	CAG	TGC	GAG	CAC	CAC	1060
F	R	E	K	E	D	E	Q	Q	S	S	D	E	R	I	R	V	T	S
TTC	CGG	GAG	AAG	GAG	GAT	GAG	CAG	CAG	CAG	TCG	TCC	AGC	GAC	CGC	ATC	CGG	GTC	ACT
E	R	V	E	N	M	S	M	R	L	E	E	I	N	E	R	E	T	F
GAA	AGA	GTT	GAA	AAT	ATG	TCA	ATG	AGG	TTG	GAA	GAA	ATC	AAT	GAA	AGA	GAA	ACT	TTC
K	T	S	L	Q	T	V	D	L	R	A	Q	L	E	E	L	S	N	R
AAA	ACT	TCC	CTG	CAG	ACT	GTT	GAC	CTT	CGA	CTT	GCT	CAG	CTA	GAA	GAA	TTA	TCT	AAC
M	V	N	A	I,	E	N	L	A	G	I	D	R	S	D	I,	I	Q	A
ATG	GTG	AAT	GCT	CTT	GAA	AAT	CTT	GCG	GGG	GGG	ATC	GAC	AGG	TCT	GAC	CTG	ATC	CAG
S	R	A	S	S	E	C	E	A	T	Y	L	R	Q	S	S	I	N	S
TCC	CGG	GCT	TCT	TCT	GAA	TGT	GAG	GCA	ACG	TAT	CTT	CTC	CGG	CAA	AGC	AGC	ATC	ATC
A	D	G	Y	S	L	Y	R	Y	H	F	N	G	E	E	L	L	F	E
GCT	GAT	GGC	TAC	AGC	TGT	TAT	CGA	TAT	CAT	TTT	AAC	GGG	GAA	GAG	TTA	TTT	GAG	GAT
T	S	L	S	T	S	P	G	T	G	V	R	K	K	T	C	S	F	R
ACA	TCT	CTC	TCC	ACG	TCA	CCA	GGG	ACA	GGG	ACA	GGG	GTC	AGG	AAA	AAA	ACC	TGT	TCC
K	E	E	K	D	V	K	T	H	L	V	P	E	C	Q	N	S	L	H
AAG	GAA	GAG	AAG	GAC	GTG	AAA	ACG	CAC	CTA	GTC	CCA	GAA	TGT	CAG	AAC	AGT	CTT	CAC
S	L	G	T	S	T	S	A	T	P	D	G	S	H	L	A	V	D	L
TCA	CTG	GGC	ACA	AGC	ACA	TCA	GCA	ACC	CCA	GAT	GGC	AGT	CAC	CTT	GCA	GTA	GAT	TGA

FIG. 5F

K	N	A	E	E	S	K	L	G	P	D	I	G	I	S	K	E	D	D	E
AAG	AAC	GCT	GAA	GAG	TCA	AAA	TTA	GCT	CCA	GAT	ATT	GGG	ATT	TCA	AAG	GAA	GAT	GAT	GAA
R	Q	T	D	S	K	K	E	E	T	I	S	P	S	L	N	K	T	D	V
AGA	CAG	ACA	GAC	TCT	AAA	AAA	GAA	GAA	ACT	ATT	TCC	CCA	AGT	TTA	AAT	AAA	ACA	GAT	GTG
I	H	G	Q	D	K	S	D	V	Q	N	T	Q	L	T	V	E	T	T	N
ATA	CAT	GGG	CAG	GAC	AAA	TCA	GAT	GTT	CAA	AAA	ACT	CAG	CTA	ACA	GTG	GAA	ACG	ACA	AAT
I	E	G	T	I	S	Y	P	L	E	E	T	K	I	T	R	Y	F	P	D
ATA	GAA	GGC	ACT	ATT	TCC	TAT	CCC	CTG	GAA	GAA	ACC	AAA	ATT	ACA	CGC	TAT	TTC	CCC	GAT
E	T	I	N	A	C	K	T	M	K	S	R	S	F	V	Y	S	R	G	R
GAA	ACG	ATC	AAT	GCT	TGT	AAA	ACA	ATG	AAG	TCC	AGA	AGC	TTC	GTC	TAT	TCC	CGG	GGA	AGA
K	L	V	G	G	V	N	Q	D	V	E	Y	S	S	I	T	D	Q	Q	L
AAG	CTG	GTC	GGT	GGG	GTT	AAC	CAG	GAT	GTA	GAG	TAC	AGT	TCA	ATC	ACG	GAC	CAG	CAA	TTG
T	T	E	W	Q	C	Q	V	Q	K	I	T	R	S	H	S	W	D	I	P
ACG	ACG	GAA	TGG	CAA	TGC	CAA	GTT	CAA	AAG	ATC	ACG	CGC	TCT	CAT	AGC	ACA	GAT	ATT	CCP
Y	I	V	S	E	A	A	V	Q	A	E	Q	K	E	Q	F	A	D	M	Q
TAC	ATT	GTG	TCG	GAA	GCT	GCA	GTG	CAA	GCT	GAG	CAA	AAA	GAG	CAG	TTC	GCA	GAT	ATG	CAA
D	E	H	H	V	A	E	A	A	I	P	R	I	P	R	L	S	L	T	T
GAT	GAA	CAC	CAT	GTC	GCT	GAA	GCA	ATT	CCP	CGA	ATC	CCT	CGC	TTG	TCC	CTA	ACC	ATT	ACT
D	R	N	G	M	E	N	L	L	S	V	K	P	D	Q	T	L	G	F	P
GAC	AGA	AAT	GGG	ATG	GAA	AAC	TTA	CTG	TCT	GTG	AAG	CCA	GAT	CAA	ACT	TTG	GGA	TTC	CCA
S	L	R	S	K	S	L	H	G	H	P	R	N	V	K	S	I	Q	G	K
TCT	CTC	AGG	TCA	AAA	AGT	TTA	CAT	GGG	CAT	CCT	AGG	AAT	GTG	AAA	TCC	ATT	CAG	GGA	AAG
L	D	R	S	G	H	A	S	S	V	S	S	L	V	I	V	S	G	M	T
TTA	GAC	AGA	TCT	GGA	CAT	GCC	AGT	AGT	GTA	AGC	AGC	TTA	GTA	ATT	GTG	TCT	GGA	ATG	ACA
A	E	E	K	K	V	K	E	K	A	S	T	E	T	E	C	(SEQ ID NO: 7)	1497	4991	
GCA	GAA	GAA	AAA	AAA	AAG	GTT	AAG	AAA	GAG	AAA	GCT	TCC	ACA	GAA	ACT	GAA	TGC	TAG	TCTGTT

TTCCTAAAAACATTTCCTCTTGTTTTAAACAGTCAGAACCACTAATGGGTGTCATCTGGCATCTAAACATCCATCCAT

FIG. 5G

ACTCATTATAGGGNTCGAGGGCCGGCCGGCAGGTTGAGCTGTGCCCTCTCCATTCCACTGCTGTGGCAGGGTCAGA
 AATCTTGGATAGAGAAAACCTTTGCAAACCGGAATGATCTTGTAAATTCTTAGCAAGAAAGACTCTAACAGGTGTTG
 CTGTGGCCAGTTCACCAACCAGCATATCCCCCTCTGCCAAGTGCACACCCCAGCAAAATGAAGACGAAAGCAACAG
 GTGGAGACTCAGCCCTGAGAAATGGTCTGTGCAAGCACACCCAGAGCTACCCAAACAGATTCTATGGAGTCTTGAAATT
 CCAGGGTGGGGATATTCAAATAAGCC

M	Y	I	R	V	S	Y	D	T	K	P	D	S	L	H	L	M	V	K	20	
ATG	TAT	ATC	CGT	GTG	TCC	TAT	GAC	ACC	AAG	CCA	GAC	TCA	CTG	CTG	CAT	CTC	ATG	GTG	AAA	60
D	W	Q	I.	E	I.	P	K	L	I.	I'	S	V	H	G	G	I.	Q	H	F	10
GAT	TGG	CAG	CTG	GAA	CTC	CCC	AAG	CTC	TTA	ATA	'CTG	CAT	GGA	GCG	CTC	CAG	AAC	TTT	120	
E	M	Q	P	K	L	K	Q	V	F	G	K	G	L	I	K	A	A	M	T	60
GAG	ATG	CAG	CCC	AAG	CTG	AAA	CAA	GTC	TTT	GGG	AAA	GGC	CTG	ATC	AAG	GCT	ATG	ACC	180	
T	G	A	W	I	F	T	G	G	V	S	T	G	V	I	S	H	V	G	D	80
ACC	GGG	GCC	TGG	ATC	TTC	ACC	GGG	GGT	GTC	AGC	ACA	GGT	GTT	ATC	AGC	CAC	GTA	GGG	GAT	240
A	L	K	D	H	S	S	K	S	R	G	R	V	C	A	I	G	I	A	P	100
GCC	TTC	AAA	GAC	CAC	TCC	TCC	AGA	GGC	CGG	GTT	TGT	GCT	ATA	GGA	ATT	GCT	CCA		300	
W	G	I	V	E	N	K	E	D	L	V	G	K	D	V	T	R	V	Y	Q	120
TGG	GGC	ATC	GTG	GAG	AAT	AAG	GAA	GAC	CTG	GTT	GGA	AAG	GAT	GTA	ACA	AGA	GTG	TAC	CAG	360
T	M	S	N	P	L	S	K	L	S	V	L	N	N	S	H	T	H	F	I	140
ACC	ATG	TCC	AAC	CCT	CTA	AGT	AAG	CTC	TCT	GTG	CTC	AAC	AAC	TCC	CAC	ACC	CAC	TTT	ATC	420
L	A	D	N	G	T	L	G	K	Y	G	A	E	V	K	L	R	R	L	L	160
CTG	GCT	GAC	AAT	GGC	ACC	CTG	GGC	AAG	TAT	GGC	GCC	GAG	GTG	AAG	CTG	CGA	AGG	CTG	CTG	480
E	K	H	I	S	L	Q	K	I	N	T	R	L	G	Q	G	V	P	L	V	180
GAA	AAG	CAC	ATC	TCC	CTC	CAG	AGG	ATC	ACA	ACA	AGA	CTG	GGG	CAG	GGC	GTG	CCC	CTC	GTG	540
G	L	V	V	E	G	G	P	N	V	V	S	I	V	L	E	Y	L	Q	E	200
GGT	CTC	GTG	GAG	GGG	GGC	CTT	AAC	GTC	GTG	TCC	ATC	GTC	TTG	GAA	TAC	CTG	CAA	GAA	600	

FIG. 6A

E	P	P	I	P	V	V	I	C	D	G	S	G	R	A	S	D	I	L	S	
GAG	CCT	CCC	ATC	CCT	GTC	GTC	ATT	TGT	GAT	GCC	AGC	GGC	CGT	GAC	ATC	CTG	TCC	220		
F	A	H	K	Y	C	E	E	G	G	I	I	N	E	S	L	R	E	Q	L	
TTT	GCG	CAC	AAG	TAC	TGT	GAA	GCA	GGC	GGG	ATA	ATA	AAT	GAG	TCC	CTC	AGG	GAG	CAG	720	
L	V	T	I	Q	K	T	F	N	Y	N	K	A	Q	S	H	Q	I.	F	A	
CTA	GTT	ACC	ATT	CAG	AAA	ACA	TTT	ATT	TAT	AAT	AAG	GCA	CAA	TCA	CAT	CAG	CTG	TTT	GCA	260
I	I	M	E	C	M	K	K	K	E	L	V	T	V	F	R	H	G	S	E	
ATT	ATA	ATG	GAG	TGC	ATG	AAG	AAG	AAA	GAA	CTC	GTC	ACT	GTC	TTC	AGA	ATG	GGT	TCT	GAG	780
G	Q	Q	D	I	E	M	A	I	L	T	A	L	L	K	G	T	N	V	S	
GGC	CAG	CAG	GAC	ATC	GAG	ATG	GCA	ATT	TTA	ACT	GCC	CTG	CTG	AAA	GGG	ACA	AAC	GTA	TCR	300
A	P	D	Q	L	S	L	A	L	A	W	N	R	V	D	I	A	R	S	Q	
GCT	CCA	GAT	CAG	CTG	AGC	TTG	GCA	CTG	GCT	TGG	AAC	CCC	GTG	GAC	ATA	GCA	CGA	AGC	CAG	900
I	F	V	F	G	P	H	W	T	P	L	G	S	L	A	P	P	T	D	S	
ATC	TTT	GTC	TTT	GGG	CCC	CAC	TGG	ACG	CCC	CTG	GGA	AGC	CTG	GCA	CCC	CCG	ACG	GAC	AGC	320
K	A	T	E	K	E	K	K	P	P	M	A	T	T	K	G	G	R	G	K	
AAA	GCC	ACG	GAG	AAG	AAG	AAG	CCA	CCC	ATG	GCC	ACC	ACC	AAG	GGA	GGA	AGA	AAA	AAA	1080	
G	K	G	K	K	K	G	K	V	K	E	E	V	E	E	E	'P	D	P	R	
GGG	AAA	GGC	AAG	AAG	AAA	GGG	AAA	GTG	AAA	GAG	GAA	GTG	GAG	GAA	GAA	ACT	GAC	CCC	CGG	380
K	I	E	L	L	N	W	V	N	A	L	E	Q	A	M	L	D	A	L	V	1140
																			400	

FIG. 6B

中原書局影印

AAG	ATA	GAG	CTG	CTG	CTG	AAC	TGG	GTC	AAT	GCT	TGG	GAG	CAA	GCG	ATG	CTA	GAT	GCT	TTA	GTC
L	D	R	V	D	F	V	K	L	L	I	E	N	G	V	N	M	Q	H	F	420
TTA	GAT	CGT	GTC	GAC	CTT	GTC	AAG	CTC	CTG	ATT	GAA	AAC	GGG	GTG	AAC	ATG	CAC	CAC	TTT	1260
L	T	I	P	R	L	E	E	L	Y	N	T	R	L	G	P	P	N	T	L	440
CTG	ACC	ATT	CCG	AGG	CTG	GAG	GAG	CTT	TAT	AAC	ACA	AGA	CTG	GGT	CCA	CCA	AAC	ACA	CTT	1320
H	L	L	V	R	D	V	K	K	S	N	L	P	P	D	Y	H	I	S	L	460
CAT	CTG	CTG	GTG	AGG	GAT	GTG	AAA	AAG	AGC	AAC	CTT	CCG	CCT	GAT	TAC	CAC	ATC	AGC	CTC	1380
I	D	I	G	L	V	L	E	Y	I.	M	G	G	A	Y	R	C	N	Y	T	480
ATA	GAC	ATC	GGG	CTC	GTG	CTG	GAG	TAC	CTC	ATG	GGA	GGA	GCC	TAC	CGC	'GC	'AC	'AC	ACT	1440
R	K	N	F	R	T	L	Y	N	N	L	F	G	P	K	R	P	K	A	L	500
CGG	AAA	AAC	TTT	CGG	ACC	CTT	TAC	AAC	TTG	TTG	TTG	CCA	AAG	AGG	CCT	AAA	GCT	CTR		1500
K	L	L	G	M	E	D	D	E	P	P	A	'K	G	K	K	K	K	K	K	520
AAA	CTT	CTG	GGA	ATG	GAA	GAT	GAT	GAG	CCT	CCA	GCT	AAA	GGG	AAG	AAA	AAA	AAA	AAG		1560
K	K	E	E	I	D	I	D	V	D	D	P	A	V	S	R	F	Q	Y		540
AAA	AAG	GAG	GAA	GAG	ATC	GAC	ATT	GAT	CTG	GAC	GAC	CCT	GCC	GTG	AGT	CGG	TTC	CAG	TAT	1620
P	F	H	E	L	M	V	W	A	V	L	M	K	R	Q	K	M	A	V	F	560
CCC	TTC	CAC	GAG	CTG	ATG	GTG	TGG	GCA	GTG	CTG	ATG	AAA	CGC	CAG	AAA	ATG	GCA	GTG	TTC	1680
L	W	Q	R	G	E	E	S	M	A	K	A	L	V	A	C	K	L	Y	K	580
CTC	TGG	CAG	CGA	GGG	GAA	GAG	AGC	ATG	GCC	AAG	GCC	CTG	GTG	GCC	TGC	AAG	CTC	TAC	AAG	1740
A	M	A	H	E	S	S	E	S	D	L	V	D	I	S	Q	D	L	D		600
GCC	ATG	GCC	CAC	GAG	TCC	TCC	GAG	AGT	GAT	CTG	GTG	GAT	GAC	ATC	TCC	CAG	GAC	TTG	GAT	1800
N	N	S	K	D	F	G	Q	L	A	L	E	L	D	Q	S	Y	K	H		620
AAC	AAT	TCC	AAA	GAC	TTC	GGC	CAG	CCT	GCT	TGG	GAG	TTA	GAC	CAG	TCC	TAT	AAG	CAT		1860

FIG. 6C

D	E	Q	I	A	M	K	L	L	T	Y	E	L	K	N	W	S	N	S	T
GAC	GAG	CAG	ATC	GCT	ATG	AAA	CTC	CTG	ACC	TAC	GAG	CTG	AAA	AAC	TGG	AGC	AAC	TCG	ACC
C	L	K	L	A	V	A	A	K	H	R	D	F	I	A	H	T	C	S	Q
TGC	CTC	AAA	CTG	GCC	GTG	GCA	GCC	AAA	CAC	CGG	GAC	TTC	ATT	GCT	CAC	ACC	TGC	AGC	CAG
M	L	L	T	D	M	W	M	G	R	L	R	M	R	K	N	P	G	L	K
ATG	CTG	CTG	ACC	GAT	ATG	TGG	ATG	GGG	AGA	CTG	CGG	ATG	CGG	AAG	AAC	CCC	GGC	CTG	AAG
V	I	M	G	I	L	L	P	P	T	I	L	F	L	E	F	R	T	Y	D
GPT	ATC	ATG	GGG	ATT	CTT	CTA	CCC	CCC	ACC	ATC	TIG	TTT	TIG	GAA	TTT	CGC	ACA	TAT	GAT
D	F	S	Y	Q	T	S	K	E	N	E	D	G	K	E	K	E	E	E	N
GAT	TTC	TCG	TAT	CAA	ACA	TCC	AAG	GAA	AAC	GAG	GAT	GCC	AAA	GAA	GAA	GAG	GAA	ATA	2160
T	D	A	N	A	D	A	G	S	R	K	G	D	E	E	N	E	H	K	K
ACG	GAT	GCA	ATAT	GCA	GAT	GCT	GGC	TCA	AGA	AGA	ANG	GGG	GAT	GAG	GAG	AAC	GAG	CAT	AAA
Q	R	I	I	P	I	G	T	K	I	C	K	F	Y	N	A	P	I	V	K
CAA	AGA	ATT	ATC	CCC	ATC	GGA	ACA	AAA	ATC	TGT	AAA	TTC	TAT	AAA	GCG	CCC	ATT	GTC	AAG
F	W	F	Y	T	I	S	Y	L	G	Y	L	L	F	N	Y	V	I	I	780
TTC	TGG	TTT	TAC	ACA	ATA	TCA	TAC	TTG	GGC	TAC	CTG	CTG	CTG	TTT	AAC	TAC	GTC	ATC	CTG
V	R	M	D	G	W	P	S	L	Q	E	W	I	V	I	S	Y	I	V	S
GTG	CGG	ATG	GAT	GGC	TGG	CCG	TCC	CTC	CAG	GAG	TGG	ATC	GTC	ATC	TCC	TAC	ATC	GTG	AGC
L	A	L	E	K	I	R	E	I	L	M	S	E	P	G	K	L	J	Q	K
CTG	GCG	TTA	GAG	AAG	ATA	CGA	GAG	ATC	CTC	ATG	TCA	GAA	CCA	GGC	AAA	CTC	AGC	CAG	AAA

FIG. 6D

تکنولوژی اطلاعات و ارتباطات
دانشگاه آزاد اسلامی واحد تبریز

I	K	V	W	L	Q	E	Y	W	N	I	T	D	L	V	A	I	S	T	F	840	
ATC	AAA	GTT	TGG	CTT	CAG	GAG	TAC	TGG	ACA	ATC	ACA	GAT	CTC	GTC	GCC	ATT	TCC	ACA	TTC	2520	
M	I	G	A	I	L	R	L	Q	N	Q	P	Y	M	G	Y	G	R	V	I	860	
ATG	ATT	GGA	GCA	ATT	CTT	CGC	CTA	CAG	CAG	CCC	TAC	ATG	GGC	TAT	GCC	CGG	GTG	ATC	2580		
Y	C	V	D	I	I	F	W	Y	I	R	V	L	D	I	F	G	V	N	K	880	
TAC	TGT	GNG	GAT	ATC	ATC	TTC	TGG	TAC	ATC	CGT	GTC	CTG	GAC	ATC	TTT	GGT	GTC	AAC	AAG	2640	
Y	L	G	P	Y	V	M	M	I	G	K	M	M	I	D	M	L	Y	F	V	900	
TAT	CTG	GGG	CCA	TAC	GTC	ATG	ATG	ATT	GGA	AAG	ATG	ATG	ATC	GAC	ATG	CTG	TAC	TTT	GTG	2700	
V	I	M	L	V	V	L	M	S	F	G	V	A	R	Q	A	I	L	H	P	920	
GTC	ATC	ATG	CTG	GTC	GNG	CTC	ATG	AGT	TTC	GGA	GTA	GCC	CGT	CAA	GCC	ATT	CTG	CAT	CCA	2760	
E	E	K	P	S	W	K	L	A	R	N	I	F	Y	H	P	Y	W	M	I	940	
GAG	GAG	AAG	CCC	TCT	TGG	AAA	CTG	GCC	CGA	AAC	ATC	TTC	TAC	ATG	CCC	TAC	TGG	ATG	ATC	2820	
Y	G	E	V	F	A	D	Q	I	D	L	Y	A	N	E	I	N	P	P	C	960	
TAT	GGA	GAG	GTC	TTG	TCA	TAT	GAT	GAG	GAG	GCG	CTT	CCT	GCC	ATG	GAA	ATT	AAT	CCT	CCT	TGT	2880
G	E	N	L	Y	D	E	E	G	K	R	L	P	P	C	I	P	G	A	W	980	
GGT	GAG	AAC	CTA	TAT	GAT	GAG	GAG	GCG	AAG	CGG	CTT	CCT	CCC	TGT	ATC	CCC	GGC	GCC	TGG	2940	
L	T	P	A	L	M	A	C	Y	L	L	V	A	N	I	L	L	V	N	L	1000	
CTC	ACT	CCA	GCA	CTC	ATG	GCG	TGC	TAT	CTA	CTG	GTC	GCC	GCC	AAC	ATC	CTG	CTG	GTG	AAC	CTG	3000
L	I	A	V	F	N	N	T	F	F	E	V	K	S	I	S	N	Q	V	W	1020	
CTG	ATT	GCT	GTG	TTC	AAC	ATT	ACT	TTC	TTT	GAA	GTA	AAA	TCA	ATA	TCC	AAC	CAG	GTG	TGG	3060	
K	F	Q	R	Y	Q	L	I	M	T	F	H	D	R	P	V	L	P	P	P	1040	
AAG	TTC	CAG	CGA	TAT	CAG	CTG	ATT	ATG	ACA	TTT	CAT	GAC	AGG	CCA	GTC	CTG	CCC	CCA	CCG	3120	

FIG. 6E

M	I	I	L	S	H	I	Y	I	I	M	R	L	S	G	R	C	R	K	
ATG	ATC	ATT	TTA	AGC	CAC	ATC	TAC	ATC	ATC	ATT	ATG	CGT	CTC	AGC	GGC	CCG	TGC	AGG	AAA
K	R	E	G	D	Q	E	E	R	D	R	G	L	K	L	F	L	S	D	E
AAG	GAA	GAA	GGG	GAC	CAA	GAG	GAA	CGG	GAT	CGT	GGA	TTG	AAG	CTC	TTC	CTT	AGC	GAC	GAG
E	L	K	R	L	H	E	F	E	E	Q	C	V	Q	E	H	F	R	E	K
GAG	CTA	AAG	AGG	CTG	CAT	GAG	TTC	GAG	GAG	CAG	TGC	GTG	CAG	CAC	TTC	CGG	GAG	AAG	3300
E	D	E	Q	Q	S	S	S	D	E	R	I	R	V	T	S	E	R	V	E
GAG	GAT	GAG	CAG	CAG	TCG	TCC	AGC	GAC	GAC	CGC	ATC	CGG	GTC	ACT	TCT	GAA	AGA	GTT	GAA
N	M	S	M	R	L	E	E	I	N	E	R	E	T	F	M	K	T	S	L
AAT	ATG	TCA	ATG	AGG	TTG	GAA	GAA	ATC	ATT	GAA	GAA	ACT	TTT	ATG	AAA	ACT	TCC	CTG	3360
Q	T	V	D	L	R	L	A	Q	I,	E	E	L	S	N	R	H	V	N	A
CAG	ACT	GTT	GAC	CTT	CGA	CTT	GCT	CAG	CTA	GAA	GAA	TTA	TCT	AAC	AGA	ATG	GTG	AAT	GCT
L	E	N	L	A	G	I	D	R	S	D	L	I	Q	A	R	S	R	A	S
CTT	GAA	AAT	CTT	GCG	GGG	ATC	GAC	AGG	TCT	GAC	CTG	ATC	CAG	GCA	CGG	TCC	CGG	GCT	TCT
S	E	C	E	A	T	Y	L	L	R	Q	S	S	I	N	S	A	D	G	Y
TCT	GAA	TGT	GAG	GCA	ACG	TAT	CTT	CTC	CGG	CAA	AGC	AGC	ATC	AAT	AGC	GCT	GAT	GGC	TAC
S	L	Y	R	Y	H	F	N	G	E	E	L	L	F	E	D	T	S	L	S
AGC	TGT	TAT	CGA	TAT	TTT	AAC	GGA	GAA	GAG	TTA	TTA	TTT	GAG	GAT	ACA	TCT	CTC	TCC	3600
T	S	P	G	T	G	V	R	K	K	T	C	S	F	R	I	K	E	E	K
ACG	TCA	CCA	GGG	ACA	GGG	AGG	AAA	AAA	ACC	TGT	TCC	TTC	CGT	ATA	AAG	GAA	GAG	AAG	3720

FIG. 6F

D	V	K	T	H	L	V	P	E	C	Q	N	S	L	H	L	S	L	G	T	
GAC	GTC	AAA	ACG	CAC	CTA	GTC	CCA	GAA	TGT	CAG	AAC	AGT	CTT	CAC	CTT	TCA	CTG	GGC	ACA	
S	T	S	A	T	P	D	G	S	H	L	A	V	D	D	D	L	K	H	A	E
AGC	ACA	TCA	GCA	ACC	CCA	GAT	GGC	AGT	CAC	CTT	GCA	GTA	GAT	GAC	TTA	AAG	AAC	GCT	GAA	
E	S	K	K	L	G	P	D	I	G	I	S	K	E	D	D	E	R	Q	T	D
GAG	TCA	AAA	TTA	GGT	CCA	GAT	ATT	GGG	ATT	TCA	AAG	GAA	GAT	GAT	GAA	AGA	CAG	ACA	GAC	
S	K	K	E	E	T	I	S	P	S	L	N	K	T	D	V	I	H	G	Q	
TCT	AAA	AAA	GAA	GAA	ACT	ATT	TCC	CCA	AGT	TTA	AAT	AAA	ACA	GAT	GTG	ATA	CAT	GGG	CAG	
D	K	S	D	V	Q	N	T	Q	L	T	V	E	T	T	N	I	E	G	T	
GAC	AAA	TCA	GAT	GTT	CAA	AAC	ACT	CAG	CTA	ACA	GTG	GAA	ACG	ACA	AAT	ATA	GAA	GGC	ACT	
I	S	Y	P	L	E	E	T	K	I	T	R	Y	F	P	D	E	T	I	N	
ATT	TCC	TAT	CCC	CTG	GAA	GAA	ACC	AAA	ATT	ACA	CGC	TAT	TTC	CCC	GAT	GAA	ACG	ATC	AAT	
A	C	K	T	M	K	S	R	S	F	V	Y	S	R	G	R	K	L	V	G	
GCT	TGT	AAA	ACA	ATG	AAG	TCC	AGA	AGC	TTC	GTC	TAT	TCC	CGG	GGG	AGA	AAG	CTG	GTC	GCT	
G	V	N	Q	D	V	E	Y	S	S	I	T	D	Q	Q	L	T	'T	E	W	
GGG	GTT	AAC	CAG	GAT	GTA	GAG	TAC	AGT	TCA	ATC	ACG	GAC	CAG	CAA	TTG	ACG	ACG	GAA	TGG	
Q	C	Q	V	Q	K	I	'P	R	S	H	S	'P	D	I	P	'Y	I	V	S	
CAA	TGC	CAA	GTT	CAA	AAG	ATC	ACG	CGC	TCT	CAT	AGC	ACA	GAT	ATT	CCT	TAC	ATT	GTG	TCG	
E	A	A	V	Q	A	E	Q	K	E	Q	F	A	D	M	Q	D	E	H	H	
GAA	GCT	GCA	GTG	CAA	GCT	GAG	CAA	AAA	GAG	CAG	TTC	GCA	GAT	ATG	CAA	GAT	ATG	CAC	CAT	

FIG. 6G

FIG. 6H

TTTTTAAACAGTCAGAACCACTAATGGGTGTCATCTGGCCCATCCTAAACACATMUCCAATTTCCTAAACATT

TCCCT (SEQ ID NO: 8)

(SEQ ID NO: 9) 1533
AAG GTT AAG AAA GAG AAA GCT TCC ACA GAA ACT GAA TGC TAG TCTGTTTGTTTAATTTT
K V K E K A S T E T E C * 4599

V A E A I P R I P R L S L T I T D R N G 1460
GTC GCT GAA GCA ATT CCT CGA ATC CCT CGC TTG TCC CTA ACC ATT ACT GAC AGA AAT GGG 4380
M E N L L S V K P D Q T L G F P S L R S 1480
ATG GAA AAC TTA CTG TCT GTG AAG CCA GAT CAA ACT TTG GGA TTC CCA TCT CTC AGG TCA 4440
K S L H G H P R N V K S I Q G K L D R S 1500
AAA AGT TTA CAT GGA CAT CCT AGG AAT GTG AAA TCC ATT CAG GGA AAG TTA GAC AGA TCT 4500
G H A S S V S L V I V S G M T A E E K 1520
GGA CAT GCC AGT AGT GTA AGC AGC TTA GTA ATT GTG TCT GGA ATG ACA GCA GAA AAA 4560